

DAN

Vol 70, #5, pp 777-78 (1950)

Ground-Water flow in Case of Local Intensified
Infiltration

N.M. Verigin

pp. 9158

ST-323⁽¹⁷⁾

SR 5254p50

165 T 59

ABC

The Influence of an Electric Field Upon the Photo-E.M.F. in the Case of an Insulated Semi-Conductor, by V. E. Lashkarev, 9 pp.

RUSSIAN, Dok Ak Nauk SSSR, Vol 70, 1950, pp 813-816.

Sci Museum No 51/2742

Scientific - Electricity

Some Observations on Processes Connected With the
Formation of Ice, by N. Ya. Selyakov, 4 pp.

RUSSIAN, thrice-mo per. Dok Ak Nauk SSSR, Vol LXX,
No 5, 1950, pp 821-824.

Sci Trans Center RT-152

AFDC - X-45 SAME
Dok Ak Nauk SSSR

USSR

Scientific - Geophysics

Jan 54 CTS

8671

Relationship Between Crystal Lattice Parameter of
Austenite and Start of Martensite Transformation
in Iron-Carbon Alloys, by V. I. Arkharov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXX, No 5,
1950, pp 833-838.

Brutcher Tr 2696

12,853

Scientific - Min/Metals

\$3.30

A Systematic Study of the Dependences on Speed and Temperature of the Resistance to Deformation in One-Phase Metals, by L. D. Sokolov, 4 pp.

RUSSIAN, Zhurice-mo per, Dok Ak Nauk SSSR, Vol LXX, 1950, pp 839-841.

ABC Tr 3081

Sci - Phys

55, 751

Nov 57

16 371

US-14

LIKHTMAN V. I., REBINDER P. A.

The influence of active lubricants on the compression and sintering processes of powdered metals

Dokl. Akad. Nauk SSSR, 70, No. 5, 851-853 (1950)

RJ.23. \$ 2.40 - English

E u r a t o m

Henry Bratcher
TR 2614

The Heat of the Reversible Transition of
Butyric Acid Hydroperoxide Into Various
States, by Z. K. Maykus, V. M. Cherednichenko,
N. M. Emanuel', 7 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol LXX, No 5, 1950, pp 855-858.

Sci Tr Center
RT-2289

Scientific - Chemistry
CTB 70/Jul 55

25, 231

61-16707

I. Urazovskii, S. S.
II. Sidorov, I. A.

185394

Urazovskii, S. S. and Sidorov, I. A.
THE TEMPERATURE DEPENDENCE OF THE HEAT
CAPACITY OF LIQUIDS AND THE NATURE OF
PHASE TRANSITIONS OF THE SECOND KIND [Ob
Osobennostyakh v Temperaturnoi Zavisimosti Teplem-
nosti Zhidkostei i o Priorode Fazovykh Prevrashchenii
Vtorogo Roda]. 21 Nov 58 [11]p. 8 refs.
Order from OTS or SLA \$1.60 61-16707

Trans. of Akademiya Nauk SSSR. (Doklady) 1950,
v. 70, no. 5, p. 859-862.

DESCRIPTORS: *Liquids, *Phase transitions, Temper-
ature, Heat, Measurement, Thermodynamics,
Colorimeters.

The points of phase transitions of crystalline-polymor-
phic modifications coincided with the temperatures of
their phase transitions of the second order in the under-
(Physics--Thermodynamics, TT, v. 6, no. 9) (over)

Office of Technical Services

Gorbunova, L.I.
RESULTS OF A COMPARATIVE INVESTIGATION OF
GLAUCONITES OF DIFFERENT FACIES. 9 p.
MTWL: 624.

Order from OTS or ETC \$1.55 61-17226

Trans. of Academiya Nauk SSSR. Doklady 1950,
v. 70, no. 5, p. 867-870.

DESCRIPTORS: Sedimentation, Rock, *Paleoecology.
*Silicates.

61-17226

I. Gorbunova, L.I.
II. MTWL-624
III. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

DAN - LXX - 6

48

1043

Comparison of the Acidity of Very Weak
Acids

A.I. Skatkin et al.

Goldenblat, I.I.
OVER EEN VRAAGSTUK BETREFFENDE DE MECHANICA VAN EINDIGE DEFORMATIES VAN VASTE STOFFEN (On a problem of the mechanics of finite deformations of continuous media). 10 p. 2 refs.
MTWL: 453 (Text in Dutch).
Order from OTS or ETC \$1.55

61-17042

Trans. of Akademiya Nauk SSSR Doklady, 1950,
v. 70, no. 6, p. 973-976.

DESCRIPTORS: *Solids, *Stresses, *Deformation,
Mechanical properties.

61-17042

- I. Goldenblat, I.I.
- II. MTWL-453
- III. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur.

Office of Technical Services

DAN

Vol 70, # 6, pp 989-990 (1950)

Effect of Temperature on Duration of luminescence
of fluorescein solutions

M. D. Gelman

2nd Ed. ... RT = 7

Kary is 266/NR4 322

1-5T68

Single-stage Quartz Replicas for Electron-
Microscopic Investigations, by L. Y.
Zemlyanova, Yu. M. Kushnyr and A. I. Frymer,
6 pp.

RUSSIAN, Dok Ak Nauk SSSR, Vol 70, No 6,
1950, pp 991-993.

Sci Museum No 51/2756

Scientific - Electrons

Dynamic Character of a Focus From Seismic
Observations, by V. I. Keilis-Borok. (unedited)

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXX,
No 6, 1950, pp 995-998.

Univ of Wisconsin
(MSF)

Sci - Geophys
Apr 60

113,915

New Data on Night-Sky Radiation in the 0,500-
11,500 Å Region, by V. I. Krasovskiy, 4 pp.

RUSSIAN, twice-no ~~xxx~~ Dok Ak Nauk SSSR, Vol LXX,
No 6, 1950, pp 999-1000.

Air Research and Development Center,
Baltimore, Md.

T - 170 P O

Continued

USSR

Scientific - Geophysics

Mar 54 CTS

11,080

The Influence Of Concentration, pH, and of
Tannides on Electrokinetic Potential of
Particles of Synthetic Latexes, by S.S.
Voyutskii and Yu.A.Smetkin.

RUSSIAN, per, Doklady Ak Nauk SSSR, 1950, v.70,
no.6, pp. 1013-1016.

SLA-TT-64-20365

Mat/Metal

Aug 66

307,698

The Hydrogen Bond in the Hydroperoxide of
Propionic Acid and Its Kinetic Effect, by
B. S. Neporent, 8 pp.

RUSSIAN, thrice-mo per, Dok Ak. Nauk SSSR,
Vol. LXX, No 6, 1950, pp 1025-1028.

Sci Tr Center
RT-2290

(6pp) CTS 77-67-1028

28,908

Scientific - Chemistry Nov 55 CTS/DEX

Shatenshtein, A. I.

COMPARISON DE LA FORCE DES ACIDES TRÈS
FAIBLES, tr. by Mme. Bourrelli. 5 July 60 [8]p.

6 refs. CEA Trans. no. R 967 (text in French).

Order from OTS or SLA \$1.10

61-23782

Trans. in French of Akademiya Nauk SSSR Doklady
1950, v. 70, no. 6, p. 1029-1031.DESCRIPTORS: *Acids, *Metalorganic compounds,
*Deuterated compounds, Ammonia, Exchange re-
actions.

In heavy water and in deuterated alcohol, the hydrogen
of metalorganic compounds, bound to the carbon, is
exchanged with difficulty and usually only after pro-
longed heating. Results of experiments indicate that
the velocity of the exchange reaction increases dis-
tinctly in deuterated liquid ammonia.

(Chemistry--Physical, TT, v. 6, no. 7)

61-23782

- I. Shatenshtein, A. I.
- II. CEA-tr-R967
- III. Commissariat à
l'Énergie Atomique
(France)

Office of Technical Services

Raman Spectra of Deuteroacetylacetone and
Deuteroacetoacetic Ester, by D. A. Shigorin,
Ya. K. Syrkin. UNCL

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. LXX,
No 6, 1950, pp 1033-1036.

DSIR ALU M.1373

(loan)

Sci. - Chem
Apr 60

112,666

Further Investigation of the Products of Reduction
of Carbon Dioxide by Chloroplasts, by E. A. Poi-
chenko.

Full translation.

RUSSIAN, per, Dok Akad Nauk SSSR, Vol 70, 1950,
pp 1037-1040.

AEC Tr 1224

REC-407-7-11

Scientific - Chemistry

The Influence of Surface-Active Additives on Cement-
Water Reactions, by S. V. Shestoporov, T. Yu.
Lyubimova, F. M. Ivanov, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. 70^{1/6}, (6), 1950,
pp 1045-1048. (See Watford: Building Research
Station.)

Building Research Library. Communication No. 55

~~SECRET~~

61-15570

Sci Museum Lib No 51/6798 - London

Dependence of Strength Upon the Loading Rate in Brittle
Rupture, by G. M. Bartenev, 8 pp

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXI, No 1, 1950,
pp. 23-26

NEL 5828.4F

CIA/FDD/X-1134

Scientific - Physics

CTS/DEX

7017

Luminescence and Photoconductivity of Cadmium Sulfide
by D. V. Gurevich, N. A. Tolstoy and P. P. Feofilov,
8 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXI, No 1, 1950
pp 29-32

CIA/FDD/X-1135

Scientific - Chemistry

CTB/DEX

7018

DAN - LXN - 1 (50)

5259

p33

NED

Transitional Effect for Positive
Excess of Slow Members

GB Zhobov, A. A. Klyadov

DAN- LXAT - 1 (52)

p. 37

5252

ST-72

N.A. Parameters

Yearly Variation of the Potential
Gradient of Atmospheric Electricity

Determination of Current Velocities and Density Distribution in a Cross-Section of an Infinitely Long Channel, as Related to the Action of the Wind and of Side-Friction in the Coriolis-Force Field, by V. B. Shtokman,

Full translation.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXI, No 1, 1950, pp 41-44.

AEC Tr 1265

Scientific - Physics

*Also in English journal
T. G. K.*

On the Maximum Heat ~~in~~ Flux on Boiling Water Under
High and Superhigh Pressures, by E. A. Kozakova,
7 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk ESR, Vol LXXI,
No 1, 1950, pp 53-55.

Sci Tr Center

RT-3919

39,152

Sci - /Engineering

Sep 56 CFB/dax

An Investigation of the System $\text{CuO} - \text{Fe}_2\text{O}_3$, by N. A. Toropov, and A. I. Borisenko.

Full translation.

RUSSIAN, no par, Dok Ak. Nauk SSSR, Vol LXXI, No 1, 1950, pp 69-71.

AEC Tr 1436

USSR

SLA TR R-1024

Scientific - Chemistry, $\text{CuO} - \text{Fe}_2\text{O}_3$

Nov 52 CTS/DEA

DALASHOVA, B. B.
TOMASOVA, U. S.
VACHANKAN, A. T.

Doklady Akademii Nauk SSSR, vol. 71, 1950,
No. 1, pp. 73-75; 3 figures, 1450 words.

Activation of Metal Surfaces Preparatory to
Being Electroplated.

Butcher Trans, Order No. 2540, \$ 2.90.

Investigation of Materials with Elastic, Plastic
and Viscous Properties, P. A. Rebinder and E. E.
Segalova, 8 pp. *by*

RUSSIAN, per, Dok Ak Nauk SSSR Vol LXII, No 1, 1950
pp 85-88 *X*

CIA/FDD/ X-1131

Scientific - Physics

CTS/DEX

7016

INFLUENCE OF SOME ELEMENTS UPON THE FORMATION OF GLOBULAR
GRAPHITE IN CAST IRON, BY P. P. PETRICHAN, SI EI ENNN SHOU-
SHAKNEUDAGYAN, 6 PP.

RUSSIAN, THRICE-MO PER, DOK AK NAUK SSSR, VOL LXXI, No 1.
USSR, 1950, PP 123-125. UNID 100620

BRUTCHEN Tr No 2528

SCIENTIFIC - MINERALS/ METALS, GRAPHITE, CAST IRON

APR 55 CTS

22,699

The N. V. Smirnov Theorem Concerning the
Comparison of Two Selections, by I. D. Kvit

RUSSIAN, per, Dok Ak Nauk, Vol LXXI, No 2,
1950, pp 229-231.

AEC Tr 982

Scientific - Physics

S-5264

(10-2944).

The Effect of Ultrasound Upon the Phenomenon
of Orthotropism in Organic Substances. by A.
P. Kapustin, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR Novaya Seriya,
Vol LXII, No 2, 1950, pp 273, 274

JPRS-L-1780-D

Sci - Phys, Crystallization
Jul 59

92,954

Evaporation From the Surface of a Soil With a
Ground Water Level Below the Surface, by N. P.
Chebotarev,

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol LXXI, No 2, 1950, pp 275-276.

UKSM Ref No 3040

May 58

63, 893

Piezo-electric Properties of Wood, by V. A.
Bazhenov and V. P. Konstantynova.

RUSSIAN, Dok Ak Nauk SSSR, Vol 71, No 2,
pp 283-286, 1950.

Sci Museum Lib No 50/3857 - London

Sci

165-81

RAPOVNIKII, V. D.
LEHMAN, M. H.
POKHAROVA, A. N.

Doklady Akademii nauk SSSR, vol. 71, 1958, No. 2.
pp. 299-301; 4 figures, 1000 words.

Electron-microscopic investigation of the Austenite
Decomposition in the Pearlite-Ferrosite Range.

Butcher Trans. Order No. 2671. \$2.00.

On the Behavior of the Glass Electrode in the Acid
Region, by N. A. ~~Smolov~~ and A. M. Aleksandrova,
4 pp.

I y

RUSSIAN, Dok Ak Nauk SSSR, Vol 71, No 2, pp 311-313,
1950.

SEP 1 1950
Sci Museum Lib No 51/0467 - London

DSIR 224 (11)-1600 (1950)

Sci - Chemistry

DAN, 71, 202, 1950 P327-330

" Isotopic Exchange of Iodine
between Sodium Iodide and
Ethyl Iodide in an alcohol solution "
Heyman & Proteus

Proj 5487

NED Guide

SR 20 June 1950

DAN, 71, No 2, 1950, P. 361-63

"Corrosion of Metals by Cracking,
Gasolines etc" L.G. Gordin

Proj 5638

CD 7025.4

SR 7 June 1950

Brutcher, Jean # 2531

DAN, Vol 71, No 3

Synthesis and Insecticidal Properties
of Some Esters of Phosphoric Acid

Proj 5273

1734.6

SR 8 May 1980

Changes in the Absorption of ZnS-Cu, Co Phosphor
During Excitation, by V. V. Antonov-Romanovskiy and
I. P. Shchukin, 4 pp.

RUSSIAN, per Dok Ak Nauk SSSR, Vol LXXI, No 3, 1950
pp 445-446

CIA/FDD/X-1129

Scientific - Chemistry

CTS/DEX

7014

Polarizability Theory and Optical Activity,
by M. V. Volkenstein.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXI,
No 3, 1950, pp 447-450.

INEDOC-T2104

Sci

Aug 58

72, 751

Use of Ultrasonic Waves to Produce Orientation in
Crystalline ^{ub}Substances, by A. ^KRapustin.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXI, No 3, 1950,
pp 451-452.

Brutcher No 3066 \$1.75

Sci Phys

Jun 53

7238

DAN

Vol 71, # 3, pp 453-456 (1957)

The Absolute Yield of Fluorescence of Solutions
of Anthracene + Some of its Derivatives

F. I. Palavik

Sci. 71, 1 RT 464

Plany 316/NRA 337
(April '51 listing)

105T 86

DAN

Vol 71, #3, pp 457-463 (1950)

Phosphorescence of Benzyl Hydrocarbons at
Temperature of Liquid Oxygen

B. H. Ryabovskiy

In process

New York, N.Y.

1951

DAN

Vol 71 # 3, pp 469-472 (1958)

Determ. of Ang. Mid-Discharge of water in bay
Line of Direction of Small ...

64 Petros

proj

27-323

SP 25.8.51

165728

ABC

Nitriding of Iron by I. R. Krichevskii, N. E.
Khezanova, UNCLASSIFIED

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXI, 1950, No 3,
pp 481-484.

Butcher Order No 3028
Price \$3 60

Scientific - Metallurgy

4/65

Use of Ultrasonic Waves to Produce Orientation
in Crystalline Substances, by A. Kapustin

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXX, No 3,
1980, pp 451-452.

Butcher Order No 3066
Price \$1.75

Scientific - Physics

Jun 53 CTS

2238

Polymerization of Oleic Acid and Its
Methyl Ester in the Presence of a Molecular
Compound of Boron Tri Fluoride and Orthophosphoric
Acid, by A. V. Topchiev and T. P. Vishnyakova.
RUSSIAN, per, Doklady Akad Nauk SSSR, 1950,
Vol 71, pp 493-496.
NLL RTS 2471 (On Loan or Purchase)

Aug 65

288,817

Bagotski, V. S. and Motov, D. L.
REVERSIBLE OXYGEN ELECTRODE BASED ON
MERCURY IN ALKALI SOLUTIONS AND THE
MECHANISM OF CATHODIC REDUCTION OF
OXYGEN

B. W. Kuvshinov, tr. 24 Jul 62. 7p 5refs

APL/JHU-TG-230-T318.

Contract N0w-62-0604-

Order from OTS \$0.50

TT-62-11746

Trans. of Akademiya Nauk SSSR, (Doklady), 1950,
v. 71, no. 3, pp. 501-504.

DESCRIPTORS: *Electrochemistry, *Oxygen, Reduc-
tion (Chemistry), Reaction kinetics, Bases (Chemistry),
*Electrodes, *Mercury, *Polarographic analysis

(Chemistry--Physical, TT, v. 11, no. 7)

TT-62-11746

- I. Bagotski, V. S.
- II. Motov, D. L.
- III. APL/JHU-TG-230-T318
- IV. Applied Physics Lab.,
Johns Hopkins Univ.,
Silver Spring, Md.
- V. Contract N0w-62-0604-c

Office of Technical Services

Precipitation of Iron and Manganese Hydroxides
in Lakes, by B. P. Krotov, 1.3 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol
LXXI, No 3, 1950, pp 533-536.

SLA R-1193

May 58

63,921

Mashtaller, G. A.
THE INFLUENCE OF FOREIGN EGG PROTEIN ON
THE DEVELOPMENT OF BIRDS. [1960] 3p. TL1144;
M2197.
Order from LC or SLA m\$1.80, ph\$1.80 61-13692

Partial trans. of Akad[emiya] Nauk, SSSR. Doklady,
1950, v. 71, no. 3, p. 549.

142,813

(Biological Sciences--Biochemistry, TT, v. 5, no. 2)

61-13692

- I. Proteins--Physiological effects
- I. Mashtaller, G. A.
- II. Trans-TL-1144
- III. DSIR LLJ M. 2197

Office of Technical Services

Law of Approach to Saturation for Martensite, by
N. S. Akulov, K. M. Bol'shova.

RUSSIAN, Dok Ak Nauk SSSR, Vol LXXI, No 4, 1950,
pp 633-636.

Brutcher Tr 2698

Scientific - Min/Metals

12,661
\$3.90

Effect of Nonuniform Excitation Upon Stimulation
Properties of Phosphors Sensitive to Infrared Rays, *fig*
L. I. Anikina and V. V. Antonov-Romanovskiy
8 pp.

RUSSIAN, per, Dok Ak Nauk SSSR Vol LXXI, No 4, 1950
pp 637-640

CIA/FDD/ X-1130

Scientific - Physics

CTS/DEX

7015

Vartanyan, A.T.

PHOTO CONDUCTIBILITE DE L'ANTRACENE SOLI-
DE (Photoconductivity of Solid Anthracene). 4p.

3 refs. CNRS-VIII bis 251.

Order from OTS, ETC or CNRS \$1.10 TT-62-26694

Trans. in French of Akademiya Nauk SSSR. Doklady
1950, v. 71, no. 4, p. 641-642.

Another trans. is available in English from SLA as
RT-736, 3p.

REF ID: A65/NAL 321

DESCRIPTORS: Organic compounds, Solids, *Photo-
conductivity, Films, *Anthracenes.

TT-62-26694

I. Vartanyan, A.T.

II. CNRS-VIII bis 251

III. Centre National de la
Recherche Scientifique,
Paris

IV. RT-736

Office of Technical Services
European Translations Centre

(Physics--Solid State, TT, v. 11, no. 11)

Sveshnikov, B.Ya. and Ermolayev, V.L.
POLARISATION DE LA PHOSPHORESCENCE DES
LUMINOPIHORES ORGANIQUES A LA TEMPERATURE
DE L'AIR LIQUIDE (Polarization of the Phosphorescence
of Organoluminescences at the Temperature of Liquid
Air). 8p. 10 refs. CNRS-XVIII 34.

Order from OTS, ETC or CNRS \$1.10 TT-62-28864

Trans. in French of Akademiya Nauk SSSR, Doklady,
1950, v. 71, no. 4, p. 647-650.

DESCRIPTORS: *Phosphorescence, *Organic compounds,
Temperature, Air, Liquids, Polarization.

(Chemistry-Organic, TT v. 11, no. 7)

TT-62-28864

- I. Sveshnikov, B.Ya.
- II. Ermolayev, V.L.
- III. CNRS-XVIII 34
- IV. Centre National de la Recherche
Scientifique, Paris

Office of Technical Services
European Translation Centre

Dependence of Absorption π Spectra of Alkali-Halide
Phosphor-Sublimates Activated With Thallium, Upon
Temperature, by K. V. Shalimova, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXI, No 4, 1950,
pp 651-653.

CIA/FDD/X-1156

Scientific - Chemistry
C/S/DEM

7076

Yudin, M. I.

THE INFLUENCE OF FOREST BELTS ON THE
TURBULENT EXCHANGE AND THE OPTIMAL
WIDTH OF THE BELTS (Vliyaniye Lesnykh Polos na
Turbulentnyi Obmen i Optimal'naya Shirina Polos).
[Jan 62] 4p. 6 refs. PL-480 Agr.

Order from OTS \$0.50

60-21884

Trans. of Akademiya Nauk SSSR, Doklady, 1950, v. 71,
no. 4, p. 655-658.

DESCRIPTORS: *Forestry, *Trees, Growth, *Wind,
Velocity, Aerodynamics, Turbulent flow, Climatic
factors, Plants.

Any forest belt has a double effect on air currents
flowing over it: it acts simultaneously as a diffuser
and as an eddy producer. For the optimal width of
the belt the wind velocity after the passage through
the belt, should be 0.6 of the wind velocity in the
open.

60-21884

I. Yudin, M. I.
II. PL-480 Agr (60-21884)
III. National Science
Foundation,
Washington, D. C.

(Agriculture--Plant
Cultivation, TT, v. 7, no. 6)

Office of Technical Services

Study of the Products of Polymerizing
Oleic Acid, by A. V. Topchiev and T. P.
Vishnyakova.

RUSSIAN, per, Doklady Akad Nauk SSSR,
1959, Vol 71, pp 685-688.
MLL RTS 2472 (On Loan or Purchase)

Aug 65

286,972

Dok Ak Nauk SSSR, Vol LXXI (1950), No 4, pp 680-691

"Distribution of Radium Between Crystals of Lanthanum
Fluoride and Their Saturated Solution in 3% Nitric Acid
at a Temperature of 100°."

Acad V. G. Khlopov
and V. S. Markova

proj 8859

CD - -

SR 15 June '51

Bancroft
Blumenthal

Oi'shanskii, Ya. I.
IONIC-ELECTRONIC LIQUIDS. [1963] 7p 2refs
Order from OTS, SLA, or ETC \$1.10 TT-63-20441

Trans. of Akademiya Nauk SSSR. Doklady, 1950,
v. 71, no. 4, p. 701-704.

DESCRIPTORS: *Iron compounds, *Sulfides, Melting,
Crucibles, *Silicates, Solubility, Liquids, Fused
materials, Phase studies, Ions, Electrons.

(Chemistry--Physical, TT, v. 11, no. 3)

TT-63-20441

I. Oi'shanskii, Ya. I.

Office of Technical Services

Sulfur Deficiency in the Plant as a Reason for
Decline of Potato Plant, by M. I. Lepnova, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXI, 1950,
pp 721-723.

SLA/R-2560

Sci
Apr 59

84,920

Biological Groups Among the Kura Os^{er}ter (Acipenser
Guldenstadti Persicus Borodin) and the Basis for
Their Artificial Culture, by N. L. Gerbilsky.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXI, no 4,
1950, pp 785-788.

Dept of Interior
QH801, E C273 No 212
3

Sci - Biol
Sep 60

NRCC C-2999
Vol III, No 8

127,965

Twice Monthly Periodical
Dok Ak Nauk SSSR, No 5,
Academy of Sciences, USSR
Moscow, 1950

Table of Contents

Scientific-Literature
Academy

USSR

Russian

OOHQ Tr/ QMT-28

UNCLASSIFIED

Dec 1950 CTS

Doklady LXXI No. 5 (Apr '50) 3 pages

"Nuclear Spin's Influence upon Resonance
Paramagnetic Absorption in Mn and Cu
Salt Solutions"

S.A. Al'tshuler et alii

Proj # 5813

{ Requirement:
NED

SR ~~20 Jun '50~~

Finite Representations of a Group of Unimodular Matrices,
by L. M. Gel'fand, M. L. Tsetlin, 7 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXI, 1950, pp 825-828.
9218756

AEC-Tr-6132

Sci-Nucl Sci
Feb 64

249,548

DAN, SSSR

71, No 5 859-862 (1950)

Vaisman, I. A.

On Closed Shells of Neutrons and Protons in the
Atomic Nucleus.

Proj. No 9510

SR SR 26.7.5

Theory of Relaxation Phenomena in Solids, by B. N.
Finkel'shteyn and N. S. Pastov, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXI, No 5,
1950, pp 875-878

AKC 7-31-50
CIA/PTD/X-1133

Scientific - Physics

CTB/DEX

7020

(FID 27153)

The Solution of One General Problem in Applied
Electrodynamics, by R. G. Mirmanov, 7 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol LXXI,
No 5, Moscow, 1950, pp 879-882.

CIA/FID/U-7917

USSR

32,584

Sci - Electricity; physics

Criterion of the Relaxation of Steel and Its
Application, by I. A. Odina, V. Z. Tseytlin,
7 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXI, No 5,
1950, pp 883-886.

CIA/FMD/X-1138

Scientific - Minerals/Metals
CTS/DEX

7078

A Quantitative Optical Method of Observing Thermal and Diffusion Phenomena in Conditions of the Two-Dimensional Problem and Small Deformations of Nearly-Plane Surfaces (Grating Method), by G. A. Ostrounov.

RUSSIAN, Dok Ak Nauk SSSR, Vol 71, No 5, 1950, pp 887-90.

Sci Museum Lib Ro 50/0099 - London

Sci -

DAN

Vol. LXXI, No. 5, pp. 901 ff.
1950

General Method of Determining the Composition and
Molecular Structure of a Chemical Compound of Elements
which are Present in Radiochemical, i.e. Unweighable
Quantities

V.G. Khlopin

Project # Y861

CD # --

SR 15 June 51

Investigation of the Conditions of the Formation
of Some Minerals by the Isotope Method, by E. I.
Dontsova.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXI,
No 5, 1950, pp 905, 906.

SLA R-~~112~~ 1211

May 58

63,906

The Rupture of Wood by Repetitive Stressing
Beyond the Limit of Plastic Flow, by M. N.
Ivanov, 7 pp.

RUSSIAN, three no per, Dok Akad Nauk SSSR, Vol LXVI
No 5, 1960, pp 905-906.

Sci Trans Center NT 3261

Scientific - ~~Materials~~
Engineering

32490
101 36

Types of Fresh Water Lakes and Their Ore
Deposits, by B. P. Krotov.

RUSSIAN, par, Dok Ak Hank SSSR,
Vol LXXI, 1950, pp 907-910.

CEIRO

Sol - Geophys
Jun 62

199,633

On the Participation of Glyoxilic Acid in the ~~the~~
Assimilation of Nitrate Nitrogen by Green Leaves, by
P. A. Kolesnikov.

RUSSIAN, ~~thrice-no per,~~ Dok Ak Nauk SSSR, Vol LXXI, No
5, 1950, pp 911 - 914.

ABE Tr 1052

Scientific - Biology

Dec 1951 CTS

Plant Physiology, by A. M. Alexeyev, A. V. Startseva.

RUSSIAN, three-~~no~~ per, Dok Ak Nauk SSSR, No 5, 1950,
pp 937 - 940.

ABC Tr 1053

Scientific - Biology

Dec 1951 CTR

✓

142 987-990 # 5- (1950)

Detection in Composition of Krupa Island
 L.V. Naumovskiy

Draw. # QMT-112
~~by ID~~ ~~for~~ ~~the~~ In process #2 ATD
(1 per listing)

DAN

Vol 71, #6

(1950)

Sumo of Positive Random Quantities

H. Y. Khin Lin

To be done by AMC
January, 1951

DAN

Vol 71, # 6

(1950)

Distribution of Eigenvalues of Integral Equations
With Kernels Rational with Respect to the
Parameters

D. F. Kharaev

To be done by ADSC
January '51

Finite Representations of the Group of Orthogonal
Matrices, by I. M. Gelfand, M. L. Tsetlin, 7 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXI, 1950,
pp 1017-1020. 9218752

AEC-Tr-6134

Sci-Nucl Sci
Feb 64

249,540

Separation of the Monsoon Component From the General
Atmospheric Currents, *ibid.*

RUSSIAN, thrice-mo per, ~~Dok Ak Nauk SSSR~~, Vol LXXI,
No 6, 1950, pp 1057-1060, Encl to IR-716-57, OAIRA,
Ottawa. *31 A 1144655*

Dir Sci Info Sv
DRB T 248R

Sci - Geophysics

Jan 58

Ref: AF 1144655

57, 394

(FDD 27154)

Radiation Resistance of a Dipole Placed in the Center
of a Thin Spherical Shell, by R. G. Mirmanov, 7 pp

RUSSIAN, thrice no per, Dok Ak Nauk SSSR, Vol LXII,
No 6, Moscow, 1950, pp 1061-1064.

CIA/FDD/U-7940

USSR

Sci - Electronics, Physics

33,375

DAN, 71, 2nd, P-1065-1067

"Contact Isomerization of an Acetylene
Hydrocarbon with Triple Bond
in the Central Position"

Levina, Viktorova, & Aliskin

Prof 5669

CD 7025.4

SR 28 June 1950

Distribution of Platinum in a Platinized Carbon
Catalyst, by A. M. Rubinshtein, et al.

RUSSIAN, per, ~~the~~ Dok Ak Nauk SSSR, Vol LXXI, No 6,
1950, pp 1073-1075.

ATS RJ-1109

Sci - Chem
Apr 60

114,475

Peroxidase in Rubber Plants, by N. G. Doman.

RUSSIAN, ~~thrice~~-no per, Dok Ak Nauk SSSR, Vol LXXI,
No 7, 1950, pp 1081 - 1084.

AEC T_r 1059

Scientific - Biology

See 1951 CTS

Oxidative Enzymes in Barley Leaves, by P. A. Kolesnikov.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol LXXI,
No 6, 1950, pp 1085 - 1088.

AEC Tr 1016

Scientific - Biology

Dec 1951 CTS

Sintering of Metallic Powders, by Likhtman, V. I.

RUSSIAN, per, Doklady Akademii Nauk SSSR, 1950, Vol 71,
pp 323-325.

Ms2

Sci Museum Lib No 50/2861

Unsteady Motion of a Compressible Fluid, by E. A.
Krasil'shchikova, 6 pp.

RUSSIAN, thrice-no per. Dok Ak Nauk SSSR, Vol LXXII,
No 1, 1950, pp 23-28.

Sci Trans Center RT-924

Scientific - *Physics*
~~Acoustics~~
CTS/DEK

14,054

The Effect of External Conditions on the Absorption
and Fluorescence of the Vapours of Aromatic
Compounds, by B. S. Neporent.

RUSSIAN, ~~see~~ thrice-no per, Dok Ak Nauk SSSR,
Vol LXXII, No 1, 1950, pp 35-38.

~~XXXXXXXXXXXX~~

Natl Res Lib
TT.472

20,885

Scientific - Physics

Jan 55 CTS/DEX

On the Correlation Between the Number of Neutrons
and Protons in Atomic Nuclei, by V. I. Spitsyn.

^{per}
RUSSIAN, ~~thrice-no print~~, Dok Ak Nauk SSSR, Vol LXXII,
No 1, 1950, pp 41.

AEC T-1027

Scientific - Nuclear Physics

Doklady Ak Nauk SSSR
Vol LXXIII No. 1 (1 May '50)

pp 45-47

"New method for Solving Diffraction
Problems" by A. A. Kharkovich

Proj # 7383

CD

ST-154

Date: DEC 5 1950

WAK